

INFORMATION DISCLOSURE STATEMENT*(Use several sheets if necessary)*

ATTY. DOCKET NO.

2003B133D

SERIAL NO.

Not Yet Assigned

APPLICANT

Chung et al.

FILING DATE

June 16, 2005

GROUP

Not Yet Assigned**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>PK</i>	AA	2,474,571	06/28/49	Brakeley et al.	260	85.3	
	AB	2,494,585	01/17/50	Saylor, Jr.	260	85.3	
	AC	2,534,698	12/19/50	Calfee et al.	260	85.3	
	AD	2,548,415	04/10/51	Welch et al.	260	85.3	
	AE	2,603,626	07/15/52	Kolfenbach et al.	260	85.3	
	AF	2,607,764	08/19/52	Nelson et al.	260	85.3	
	AG	2,644,809	07/07/53	Saylor Jr.	260	85.3	
	AH	3,269,972	08/30/66	Banks et al.	260	32.2	
	AI	3,331,822	07/18/67	Kometani et al.	260	87.5	
	AJ	3,397,166	08/13/68	Schmidle et al.	260	33.6	
	AK	3,440,219	02/05/65	Wolff et al.	260	63	
	AL	3,470,143	09/30/69	Schrage et al.	260	82.5	
	AM	3,493,530	02/03/70	Sianesi et al.	260	33.2	
	AN	3,528,954	09/15/70	Carlson	260	87.5	
	AO	3,590,025	06/29/71	Tittle	260	92.1	
	AP	3,616,371	10/26/71	Ukihashi et al.	204	159.22	
	AQ	3,642,742	02/15/72	Carlson	260	87.5 A	
	AR	3,787,379	01/22/74	Ferren et al.	260	87.5 A	
	AS	3,919,183	11/11/75	Jager et al.	260	86.1 R	
	AT	3,996,281	12/07/76	Huber-Emden et al.	260	561 N	
	AU	4,042,634	08/16/77	Cope et al.	210	616	
	AV	4,100,225	07/11/78	Mueller	260	878 R	
<i>RM</i>	AW	4,107,417	08/15/78	Priola et al.	526	117	

EXAMINER

Robert R. R. R.

DATE CONSIDERED

4/28/07

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

2003B133D

SERIAL NO.

Not Yet Assigned

APPLICANT

Chung et al.

FILING DATE

June 16, 2005

GROUP

Not Yet Assigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>PH</i>	BA	4,123,602	10/31/78	Ukihashi et al.	526	206	
	BB	4,166,165	08/28/79	Hisasue et al.	526	87	
	BC	4,194,073	03/18/80	McDaniel	526	98	
	BD	4,248,988	02/03/81	Halasa	526	141	
	BE	4,255,546	03/10/81	Süling et al.	526	206	
	BF	4,338,237	07/06/82	Sulzbach et al.	524	777	
	BG	4,381,387	04/26/83	Sulzbach	526	247	
	BH	4,424,324	01/03/84	Throckmorton et al.	526	220	
	BI	4,435,553	03/06/84	Throckmorton et al.	526	201	
	BJ	4,452,960	06/05/84	Throckmorton	526	201	
	BK	4,499,249	02/12/85	Nakagawa et al.	526	206	
	BL	4,501,865	02/26/85	König et al.	526	71	
	BM	4,508,881	04/02/85	Throckmorton	526	201	
	BN	4,535,136	08/13/85	Wheland	526	214	
	BO	4,588,796	05/13/86	Wheland	526	214	
	BP	4,626,608	12/02/86	Scherer, Jr. et al.	570	134	
	BQ	4,714,747	12/22/87	Bruzzone et al.	526	64	
	BR	4,736,004	04/05/88	Scherer, Jr. et al.	526	206	
	BS	4,900,777	02/13/90	Ball et al.	524	819	
	BT	4,946,936	08/07/90	Moggi et al.	528	392	
	BU	4,948,844	08/14/90	Nakahara et al.	525	356	
	BV	4,950,724	08/21/90	Malanga et al.	526	144	
	BW	5,032,656	07/16/91	Mares et al.	526	255	
	BX	5,105,047	04/14/92	Waller	585	515	
<i>PH</i>	BY	5,135,998	08/04/92	Mares et al.	526	206	

EXAMINER

Robert Rahay

DATE CONSIDERED

4/28/07

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

SERIAL NO.

2003B133D

Not Yet Assigned

APPLICANT

Chung et al.

FILING DATE

GROUP

June 16, 2005

Not Yet Assigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>PC</i>	CA	5,162,445	11/10/92	Powers et al.	525	333.4	
	CB	5,182,342	01/26/93	Feiring et al.	526	206	
	CC	5,281,680	01/25/94	Grot	526	243	
	CD	5,310,870	05/10/94	Peavy	528	392	
	CE	5,417,930	05/23/95	McDonald, Jr. et al.	422	131	
	CF	5,448,001	09/05/95	Baird	526	134	
	CG	5,459,212	10/17/95	Krespan et al.	526	89	
	CH	5,478,905	12/26/95	Anolick et al.	526	254	
	CI	5,494,984	02/27/96	Funaki et al.	526	206	
	CJ	5,527,870	06/18/96	Maeda et al.	526	348.7	
	CK	5,552,500	09/03/96	Peavy	526	206	
	CL	5,608,002	03/04/97	Kubo et al.	524	795	
	CM	5,618,894	04/08/97	DeSimone et al.	526	89	
	CN	5,624,878	04/29/97	Devore et al.	502	152	
	CO	5,637,663	06/10/97	Anolick et al.	526	254	
	CP	5,650,483	07/22/97	Malik et al.	528	402	
	CQ	5,654,450	08/05/97	Malik et al.	549	511	
	CR	5,663,251	09/02/97	Kato et al.	526	206	
	CS	5,663,255	09/02/97	Anolick et al.	526	254	
	CT	5,665,838	09/09/97	Peavy	526	255	
	CU	5,668,250	09/16/97	Malik	528	402	
	CV	5,668,251	09/16/97	Malik et al.	528	402	
	CW	5,674,957	10/07/97	DeSimone et al.	526	89	
	CX	5,688,838	11/18/97	Abusleme et al.	522	33	
<i>PC</i>	CY	5,703,194	12/30/97	Malik et al.	528	70	


EXAMINER

Robert R. Ralston

DATE CONSIDERED

4/28/07

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant

INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>					ATTY. DOCKET NO.		SERIAL NO.	
					2003B133D		Not Yet Assigned	
					APPLICANT			
					Chung et al.			
					FILING DATE		GROUP	
June 16, 2005		Not Yet Assigned						
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
PL	DA	5,728,783	03/17/98	Falchi et al.	526	124.2		
	DB	5,780,565	07/14/98	Clough et al.	526	206		
	DC	5,789,504	08/04/98	Ihara et al.	526	206		
	DD	5,807,977	09/15/98	Malik et al.	528	402		
	DE	5,821,311	10/13/98	Mosbach et al.	526	201		
	DF	5,872,198	02/16/99	Mosbach et al.	526	221		
	DG	5,939,501	08/17/99	DeSimone et al.	526	89		
	DH	5,939,502	08/17/99	DeSimone et al.	526	89		
	DI	5,959,050	09/28/99	Mosbach et al.	526	201		
	DJ	5,981,673	11/09/99	DeSimone et al.	526	89		
	DK	5,990,251	11/23/99	Gelus	526	125.7		
	DL	6,037,483	03/14/00	Malik et al.	549	511		
	DM	6,107,423	08/22/00	Wheland et al.	526	249		
	DN	6,111,062	08/29/00	Shirota et al.	528	402		
	DO	6,133,389	10/17/00	Anolick et al.	526	206		
	DP	6,225,367	05/01/01	Chaouk et al.	521	149		
	DQ	6,228,963	05/08/01	Wheland et al.	526	247		
	DR	6,303,715	10/16/01	Kim et al.	526	128		
	DS	6,306,989	10/23/01	Bloom et al.	526	200		
	DT	6,335,408	01/01/02	Russo et al.	526	253		
	DU	6,337,373	01/08/02	Formaro et al.	525	193		
	DV	6,346,587	02/12/02	Krüger et al.	526	206		
	DW	6,372,838	04/16/02	Rao et al.	524	462		
	DX	6,380,351	04/30/02	Malik et al.	528	402		
PL	DY	6,399,729	06/04/02	Farnham et al.	526	255		
EXAMINER 					DATE CONSIDERED 4/28/07			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant								

INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO.		SERIAL NO.	
				2003B133D		Not Yet Assigned	
				APPLICANT			
				Chung et al.			
				FILING DATE		GROUP	
June 16, 2005		Not Yet Assigned					
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RM	EA	6,403,539	06/11/02	Marchionni et al.	508	406	
	EB	6,417,314	07/09/02	Malik et al.	528	60	
	EC	6,423,798	07/23/02	Wheland et al.	526	206	
	ED	6,444,768	09/03/02	Webb et al.	526	237	
	EE	6,448,368	09/10/02	Malik et al.	528	402	
	EF	6,455,650	09/24/02	Lipian et al.	526	171	
	EG	6,469,116	10/22/02	Maccone et al.	526	247	
	EH	6,469,185	10/22/02	Russo et al.	549	455	
	EI	6,486,280	11/26/02	Anolick et al.	526	243	
	EJ	2001/0012880	08/09/01	Wheland et al.	526	249	
	EK	2001/0018144	08/30/01	Watakabe et al.	429	33	
	EL	2002/0002219	01/03/02	Bloom et al.	524	11	
	EM	2002/0028884	03/07/02	Formaro et al.	525	193	
	EN	2002/0032291	03/14/02	Farnham et al.	526	227	
	EO	2002/0052454	05/02/02	Lipian et al.	526	171	
	EP	2002/0055580	05/09/02	Lorah et al.	524	445	
	EQ	2002/0055581	05/09/02	Lorah et al.	524	445	
	ER	2002/0055599	05/09/02	Slone	526	286	
	ES	2002/0065383	05/30/02	Maccone et al.	526	247	
	ET	2002/0086908	07/04/02	Chou et al.	516	98	
	EU	2002/0132910	09/19/02	Rao et al.	524	544	
	EV	2002/0151664	10/17/02	Farnham et al.	526	247	
	EW	2002/0183457	12/05/02	Hintzer et al.	525	326.2	
	EX	2002/0183471	12/05/02	Russo et al.	526	247	
PK	EY	2003/0023013	01/30/03	Lipian et al.	526	171	
EXAMINER <i>Robert R. K...</i>				DATE CONSIDERED 4/28/07			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant							

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

2003B133D

SERIAL NO.

Not Yet Assigned

APPLICANT

Chung et al.

FILING DATE

June 16, 2005

GROUP

Not Yet Assigned

U.S. PATENT DOCUMENTS

*EXAMINER
INITIALDOCUMENT
NUMBER

DATE

NAME

CLASS

SUBCLASS

FILING DATE
IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT
NUMBERPUBL.
DATE

COUNTRY

CLASS

SUBCLASS

TRANSLATION

YES NO

FA

DE10061727

06/13/02

Germany

C08F

10/10

✓

FB

EP0076511

04/13/83

Europe

C08F

14/06

✓

FC

EP0271243

06/15/88

Europe

C08F

214/26

FD

RU 2097122 C1

11/27/97

Russia

B01J

19/18

✓

FE

RU 2209213 C1

07/27/03

Russia

C08F

210/12

✓

FF

SU 1627243 A1

02/15/91

B01J

19/18

✓

FG

WO93/21241

10/28/93

PCT

C08F

210/12

FH

WO94/17109

08/04/94

PCT

C08F

14/18

✓

FI

WO96/24625

08/15/96

PCT

C08F

214/26

FJ

WO99/50209

10/07/99

PCT

C07C

23/08

✓

FK

WO00/04061

01/27/00

PCT

C08F

10/10

FL

WO00/47641

08/17/00

PCT

C08F

14/18

✓

FM

WO00/53682

09/14/00

PCT

C09D

4/00

FN

WO01/49757

07/12/01

PCT

C08F

214/44

✓

FO

WO01/49758

07/12/01

PCT

C08F

214/22

✓

FP

WO01/49760

07/12/01

PCT

C08F

214/28

✓

FQ

WO02/051875

07/04/02

PCT

C08F

2/06

✓

FR

WO02/096964

12/05/02

PCT

C08F

10/10

✓

FS

WO02/34794

05/02/02

PCT

C08F

2/00

FT

WO2004058825

07/15/04

PCT (2004B133D)

C08F

FU

WO2004058827

07/15/04

PCT (2004B133A)

C08F

2/06

FV

WO2004058828

07/15/04

PCT (2004B133)

C08F

4/12

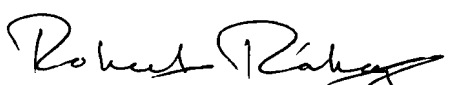
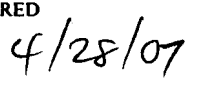
EXAMINER

Robert Rohay

DATE CONSIDERED

4/28/07

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant

INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>					ATTY. DOCKET NO.		SERIAL NO.	
					2003B133D		Not Yet Assigned	
					APPLICANT			
					Chung et al.			
					FILING DATE		GROUP	
June 16, 2005		Not Yet Assigned						
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
PU	GA	WO2004058829	07/15/04	PCT (2004B133F)	C08F	4/44		
PU	GB	WO2004058835	07/15/04	PCT (2004B133B)	C08F	236/02		
PU	GC	WO2004058836	07/15/04	PCT (2004B133C)	C08F	236/02		
PU	GD	WO2004067577	07/15/04	PCT (2004B133E)	C08F			
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)								
PU	GE	USSN: 11/010,092, filed December 10, 2004, entitled "Polymers with New Sequence Distributions" (2003B133C/2)						
PU	GF	USSN: 11/009,660, filed December 10, 2004, entitled "Halogenated Polymers with New Sequence Distributions" (2003B133C/3)						
PU	GG	Industrial and Engineering Chemistry, January, 1949, 41, pages 135-136, "Emulsion Polymerizations at Low Temperatures. Isobutylene and Isobutylene-Butadiene Mixtures", G. B. Bachman et al., Purdue University						
PU	GH	W. A. Thaler et al., entitled "High-Molecular-Weight, High-Unsaturation Copolymers of Isobutylene and Conjugated Dienes", 49(4) Rubber Chemistry & Technology, 960-966 (1976)						
PU	GI	Organic Chemistry, SIXTH EDITION, Morrison and Boyd, Prentice-Hall, entitled "Ionic Polymerization. Living Polymers", pages 1084-1085 (Englewood Cliffs, New Jersey 1992)						
PU	GJ	H. C. Wang et al., Elastomerics , entitled "Functionalized PMS/IB Copolymers Offer Wide Range of Properties", 1992, Atlanta, GA, <i>Elastomerics Jan. - Feb. 1992.</i>						
PU	GK	Gyor et al., J. Macromol. Sci.-Pure Appl. Chem. A31(12), entitled "Polyisobutylene-Based Thermoplastic Elastomers. I. Synthesis and Characterization of Polystyrene-Polyisobutylene-Polystyrene Triblock Copolymers, pages 2055-2065, Massachusetts, 1994.						
PU	GL	I. Orszagh et al., J. Phys. Org. Chem., Vol. 8, entitled "Living Carbocationic Copolymerizations. I. Synthesis and Characterization of Isobutylene/p-Methystyrene Copolymers", Ohio, pages 258-272, 1995.						
PU	GM	Chemical Microstructure of Polymer Chains, J.L. Koenig, Wiley-Interscience, entitled "Determination of Structure-Property Relations in Polymers", New York, 1980, pages 1-8						
PU	GN	Polymer Sequence Determination: Carbon-13 NMR Method, entitled "A Survey of Carbon-13 NMR Studies of Vinyl Homopolymers and Copolymers" J.C. Randall, Academic Press, 1977, New York, pages 103-146						
PU	GO	Cationic Polymerization of Olefins: A Critical Inventory, J. P. Kennedy, Wiley-Interscience, New York, 1975 pages 10-13 "Cationic Polymerizations: Past, Present, and Future" and pages 86-137 "The Organization of Cationically Polymerizable Olefins".						
PU	GP	Carbocationic Polymerization, J.P. Kennedy, E. Marechal, Wiley-Interscience, New York, 1982, pages 318-319						
EXAMINER					DATE CONSIDERED			
								
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant</p>								

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

2003B133D

SERIAL NO.

Not Yet Assigned

APPLICANT

Chung et al.

FILING DATE

June 16, 2005






GROUP

Not Yet Assigned

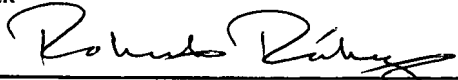
FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	HA							
	HB							
	HC							
	HD							
	HE							
	HF							
	HG							
	HH							
	HI							
	HJ							
	HK							
	HL							
	HM							
	HN							
	HO							
	HP							

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	HQ	Abstract for DE10061727, June 13, 2002 entitled "Manufacture of Polyisobutenes with High Content of Unsaturated End Groups", 2 pages.
	HR	Abstract for EP76511, April 13, 1983, entitled "Aqueous Copolymer Dispersions and Their Use", 3 pages.
	HS	Derwent- Abstract for RU 2097122 C1, Dobrovinskii et al., November 27, 1997, 3 pages.
	HT	Abstract for RU2209213, July 27, 2003, entitled "Production of Butyl Rubber with Separation of Reaction Mixture in a Hydrocyclone and In-Process Recycling", Dobrovinskii et al., 2 pgs.
	HU	Derwent Abstract for SU 1627243 A, Khismatull et al., February 15, 1991.

EXAMINER



DATE CONSIDERED

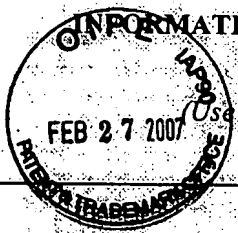
4/28/07

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant

FORM - 1449

SHEET 1 OF 1

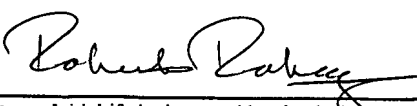
[illegible]

INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) 					ATTY. DOCKET NO.		SERIAL NO.	
					2003B133D		10/539,014	
					APPLICANT			
					Chung et al.			
					FILING DATE		GROUP	
June 16, 2005		1713						

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME				
PK	2006/0100398	05/11/2006	Shaffer et al.				
PK	2006/0084770	4/20/06	Milner et al.				
PK	2006/0094847	05/04/2006	Milner et al.				
PK	2006/0100409	05/11/2006	Shaffer, et al.				
PK	2005/0107536	05/19/2005	Shaffer, et al.				
PK	2005/0101751	05/12/2005	Shaffer, et al.				
PK	2006/0089467	04/27/2006	McDonald et al.				
PK	2006/0111522	05/26/2006	McDonald Et al				

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)	
	Krzysztof Matyjaszewski, Cationic Polymerization (1996)
PK	Corno, et al., Cationic Copolymers of Isobutylene. 2. Nuclear Magnetic Resonance Investigation of the Structure of Isobutylene-Isoprene Copolymers Macromolecules, 13, p. 1092-1099 (1980)
PK	White, et al., Incorporation of Isoprene in Isobutylene/Isoprene Copolymers: NMR Identification of Branching in Butyl Rubber, Macromolecules, 28 p. 3290-3300 (1995)
PK	Bovey, et al., Chain Structure and Conformation of Macromolecules, Academic Press, NY p. 127 (1982)

EXAMINER 	DATE CONSIDERED 4/28/07
---	----------------------------

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant